**Mihai MITREA**
HDR, Associate Professor
Telecom SudParis (a school of Institut Polytechnique de Paris)

**Vice-president of the Digital Content Commission of the CapDigital Competitiveness Cluster**
**Advisor for the French delegation at ISO/IEC JTC1/SC29 (aka MPEG, JPEG)**
**Chairman of the ISO/IEC JTC1/SC29 WG7 AhG on Internet of Media Things**
**Chairman of the ISO/IEC JTC1/SC29 WG3 AhG on MPEG User Description**

**Associated Editor for Signal Processing: Image Communication**

**Cofounder and scientific support for uStartApp (spin-off from Institut Mines-Télécom)**

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## EDUCATION

**June 2010**  **Habilitation à Diriger des Recherches from Université Pierre et Marie Curie (Paris, France)**
*Natural information sources: from mathematical modelling to multimedia applications*

**April 2003**  **PhD from POLITEHNICA University (Bucharest, Romania)**
*Contributions to information theory research field (under the supervision of Prof. Alexandru Spataru and Prof. Adriana Vlad)*

**June 1997**  **MS from POLITEHNICA University (Bucharest, Romania)**

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## PROFESSIONAL BACKGROUND

***Telecom SudParis, ARTEMIS Department***
**since 2006**  **Associate Professor**
2009-2017, member of UMR CNRS 8145 MAP5 (Université Paris Descartes)
since 2017, member of UMR CNRS 5157 SAMOVAR (Télécom SudParis)

**2005-2006**  **R&D Project Manager**
**2003-2004**  **R&D engineer**

***POLITEHNICA University of Bucharest***, *Faculty of Electronics and Telecommunications*
**1997-2004**  **Assistant Professor then Lecturer**

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## WORKING EXPERIENCE

***Research:***

- *Telecom SudParis*
  - Research studies on *Digital content sciences*: (1) mathematical modelling of the natural information sources; (2) digital content enrichment; (3) digital content exchange, interaction and visualisation
  - Scientific and management contributions for more than 30 collaborative EU, French and industrial research projects
  - Scientific and technical contributions for ISO-MPEG standardization (content protection, collaborative multimedia scenes, user description, media-centric wearable devices & IoT)
  - Scientific and technical contribution for MPAI and IEEE standardization efforts on Neural Network Watermarking

- *POLITEHNICA University of Bucharest*
  - Fundamental research on natural language processing with applications to cryptography

***Teaching:***

- *Telecom SudParis*
  - Coordinator of the *HighTech Imaging* major (graduating level), since 2010
  - Coordinator and main contributor to 2 tracks related to multimedia processing and protection (under graduating level)
  - Coordinator the Societal Responsibility (since 2022)

- *Institut Polytechnique de Paris*
  - Coordinator (together with Sahar Hoteit, UP Saclay, since 2020) of the Multimedia Networking research master; Coordinator to 2 tracks related to multimedia protection and tracking
  - Coordinator of a track on virtual collaborative environments in the *Virtual and Augmented Reality* research master
- *Université Sorbonne Paris Nord*
  - Contributor to the research master *Image et Réseaux* in the field of visual content protection

### PhD supervision:

- *Supervisor for 9 PhD thesis defended at Université Paris Descartes, Université Pierre et Marie Curie and Mines ParisTech*
- *Supervisor of 4 on-going thesis at Institut Polytechnique de Paris*
  - M. Allouche, Video fingerprinting for organic video content, CIFRE PhD program financed by VIDMIZER, 2020 –2023
  - A. Moreaux, Cross Border Trusted Solutions Built on Blockchain Technologies, PhD program financed by Blockchain Secure, 2020 –2023
  - M. Ljubojevic, Graphical representation and multi-support adaptation for media planning, PhD program financed by info3, 2021 –2024
  - C. De Sousa Trias, Neural Network Watermarking for Mobile Multi-Media Applications, PhD program financed by the DIGICOSME Labex (laboratory of excellence), 2021 –2024 (co-supervisor with M. Cagnazzo and A. Fiandrotti)
- *Main evaluator (rapporteur) on more than 10 PhD thesis defended at Norwegian University of Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur – India, Gent University (Belgium), POLITEHNICA University of Bucharest (Romania), École nationale des sciences de l'informatique (Tunisia), Mines ParisTech (France) et Université de Bordeaux (France), Université Sorbonne Paris Nord (France)*

### Start-up creation:

- *uStartApp, spin-off from Institut Mines-Telcom, created with a former PhD student*
- *multimedia-based cloud virtualization solutions*
- *patented methodological kernel solution*

## PUBLICATIONS

### Types of publications:

- *Journal papers: 20+*
- *EU/US patents: 3*
- *Books: 3*
- *Book chapters: 6*
- *International conferences: 75+*
- *ISO technical contributions: 75+*

## AWARD

- *Gheorghe Cartianu award (2003) of the Romania Academy for the book "Printed Romania as an information source", (with A. Vlad and A. Mitrea)*

*At Palaiseau, France, on September 29, 2023*